

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR INSTALLATION INTO WOOD FRAMING USE #12 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 1/4 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
- FOR INSTALLATION INTO STEEL STUD USE #12 SELF TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND STEEL FRAME SUBSTRATE.
- FOR MULLION CLIP INSTALLATION INTO WOOD FRAMING USE SIX (6) #14 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- FOR MULLION CLIP INSTALLATION THROUGH 1X BUCK TO CONCRETE, OR DIRECTLY INTO CONCRETE, USE SIX (6) 1/4 INCH DIAMETER ELCO ULTRACONS OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT.
- FOR MULLION CLIP INSTALLATION THROUGH 1X BUCK TO MASONRY (GROUT FILLED CMU), OR DIRECTLY INTO MASONRY, USE FOUR (4) 1/4 INCH DIAMETER HILTI KWIK BOLT 3 ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE 2 INCH MINIMUM EMBEDMENT AND 4" EDGE DISTANCE.
- FOR MULLION CLIP INSTALLATION INTO STEEL STUD USE SIX (6) #14 SELF TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND STEEL FRAME SUBSTRATE.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, 2000 PSI MIN. COMPRESSIVE STRENGTH.
 - STEEL - MINIMUM 18 GAUGE, MINIMUM YIELD STRENGTH OF 33 KSI
 - GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: MAHOGANY
- THE MINIMUM SPECIFIC GRAVITY OF TRUE MAHOGANY SHALL BE G=0.45 OR THE SPECIFIC GRAVITY OF ANY NATURALLY DURABLE WOOD G>0.45 AND WITH THE MINIMUM GRADE 2 IN ACCORDANCE WITH CHAPTER CURRENT THE FLORIDA BUILDING CODE .
- ALL WOOD PRODUCTS SHALL NOT BE IN DIRECT CONTACT WITH THE SUBSTRATES, I.E. CONCRETE, MASONRY, REINFORCED CMU, ETC., USING "WOLMAN EHT" WATER REPELLANT PRESERVATIVE AS MANUFACTURED BY ZINSSER CO. INC OR EQUIVALENT COMPLYING WITH THE FLORIDA BUILDING CODE.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 6 FOR GLAZING DETAILS.

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6	-	GLAZING DETAILS AND MULLION CLIP DETAIL

DESIGN PRESSURE RATING				
GLAZE TYPE	MAX SIZE	CONFIG.	DESIGN PRESSURE	MISSILE IMPACT RATING
1 OR 2	60" x 96"	O	+70/-70 PSF	SMALL AND LARGE MISSILE IMPACT RATED
1 OR 2	120.375" x 96"	O/O*	+70/-70 PSF	SMALL AND LARGE MISSILE IMPACT RATED
3 OR 4	60" x 120"	O* (SHAPES)	+70/-70 PSF	SMALL AND LARGE MISSILE IMPACT RATED
3 OR 4	60" x 120"	O	+100/-100 PSF	SMALL AND LARGE MISSILE IMPACT RATED
3 OR 4	122.25" x 120"	O/O*	+100/-100 PSF	SMALL AND LARGE MISSILE IMPACT RATED

*NOTE: SEE SHEET 3 FOR MULLED CONFIGURATION REQUIREMENTS AND QUALIFIED SHAPES



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TITLE:
MAHOGANY DIRECT SET
WINDOW (HVHZ) (IMPACT)

INSTALLATION & GENERAL NOTES

PREPARED BY:

BUILDING DROPS, INC.

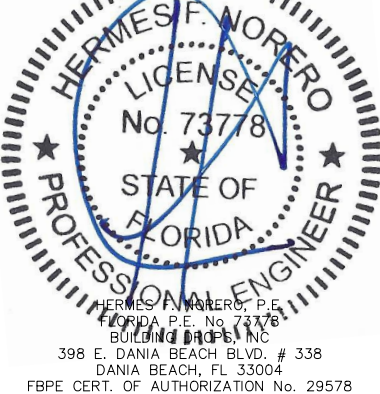
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REMARKS	BY	DATE

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Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2020.11.09 21:29:48 -05'00'



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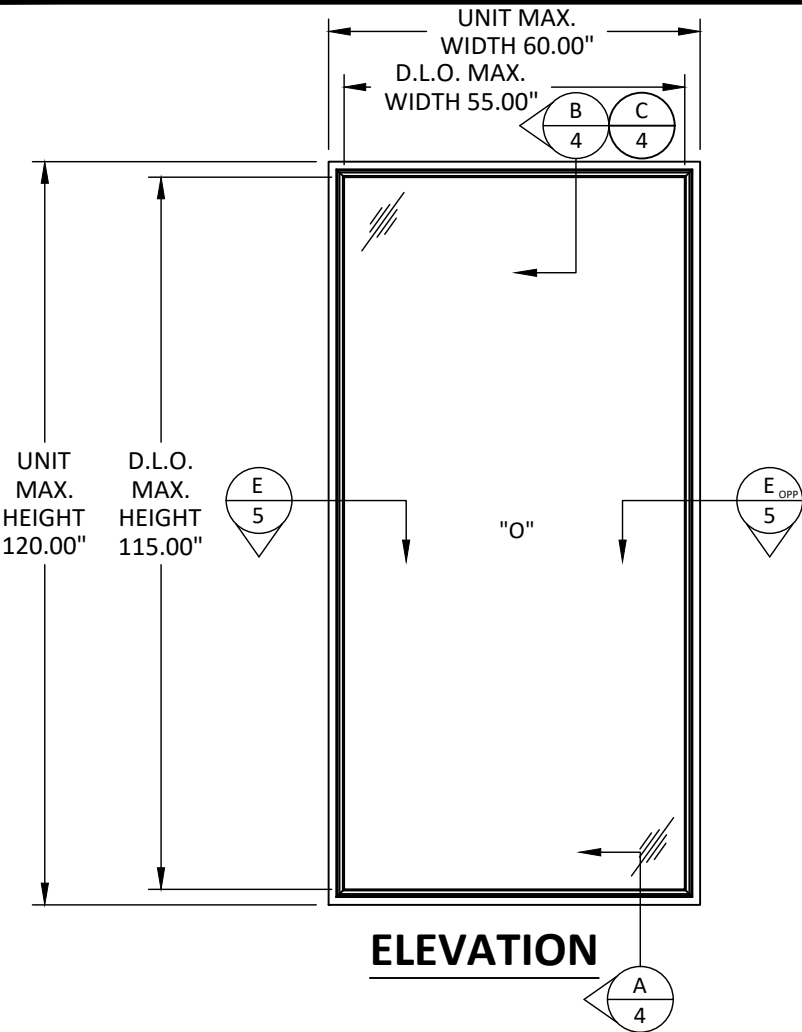
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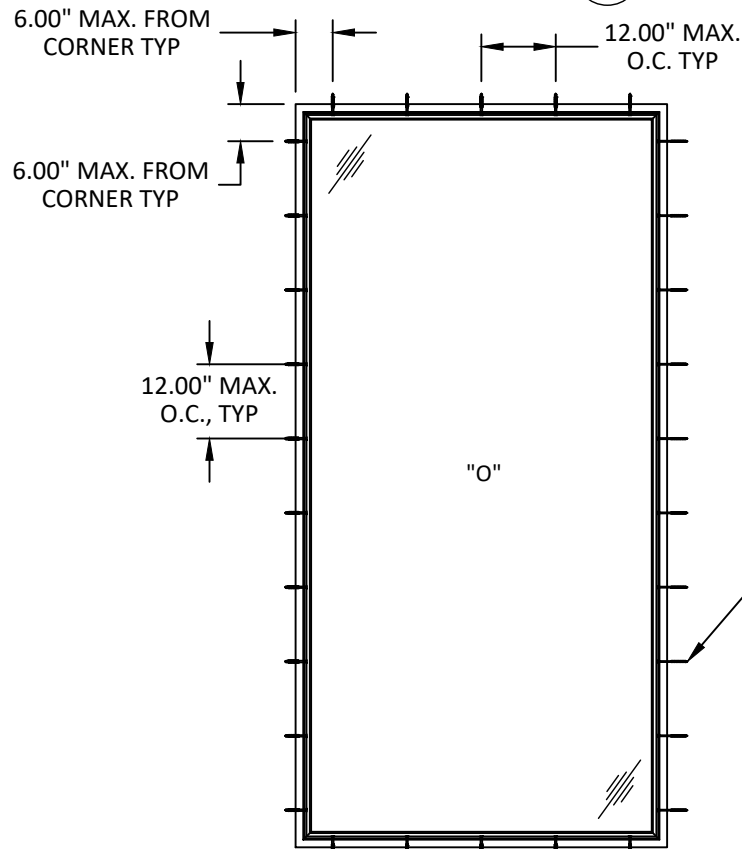
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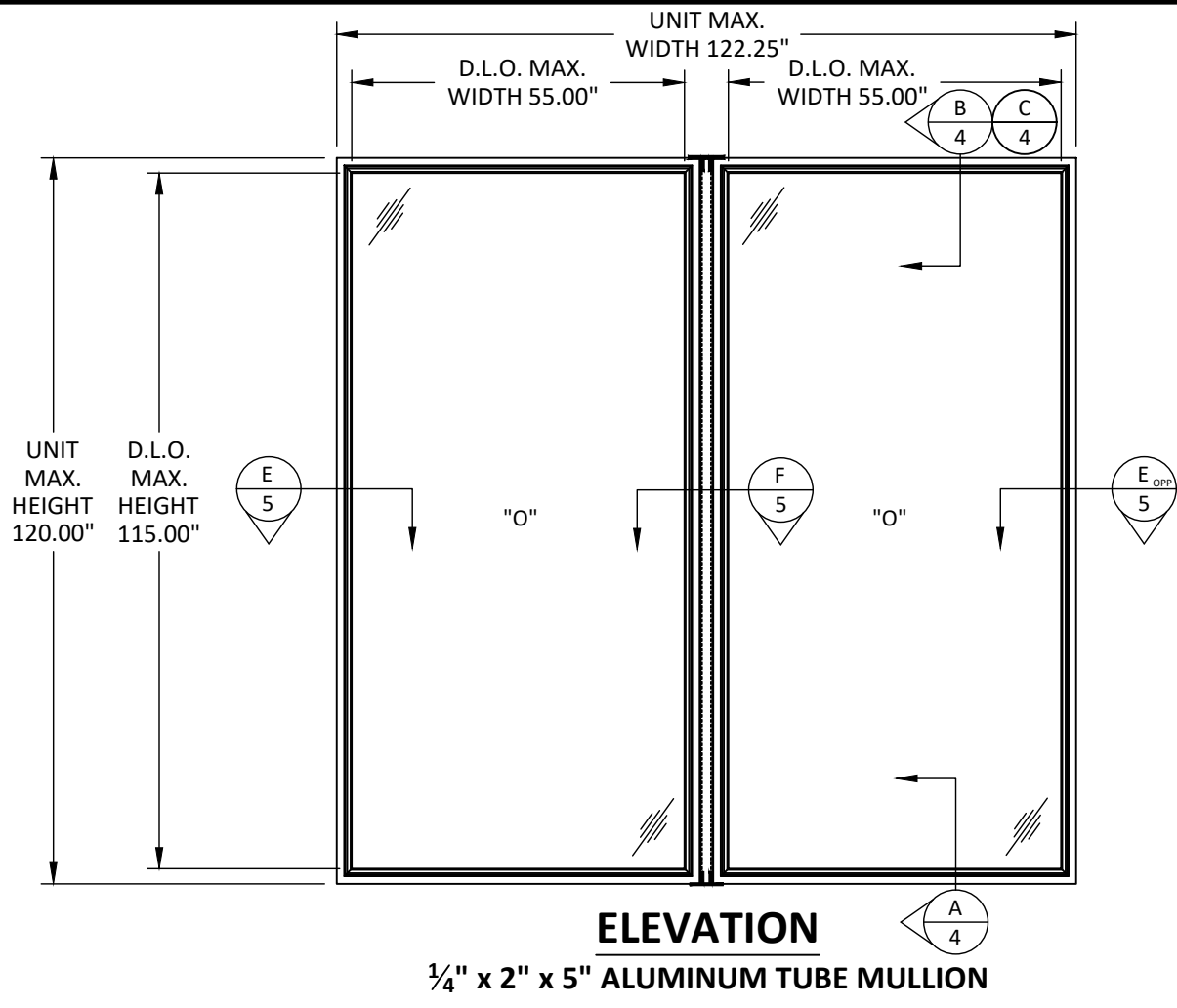
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ELEVATION

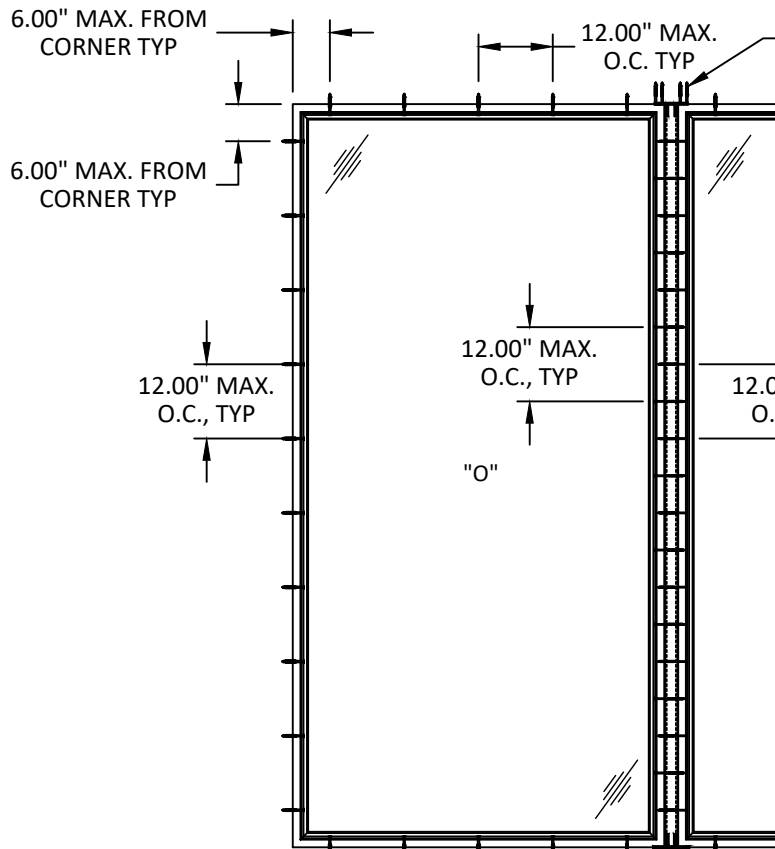


ANCHOR LAYOUT



ELEVATION

1/4" x 2" x 5" ALUMINUM TUBE MULLION



ANCHOR LAYOUT

1/4" x 2" x 5" ALUMINUM TUBE MULLION

FOUR (4) OR SIX (6) INSTALLATION ANCHORS PER MULLION CLIP, SEE PAGE 6 FOR CLIP DETAIL, SEE INSTALLATION NOTES 8-11, PAGE 1 FOR REQUIREMENTS



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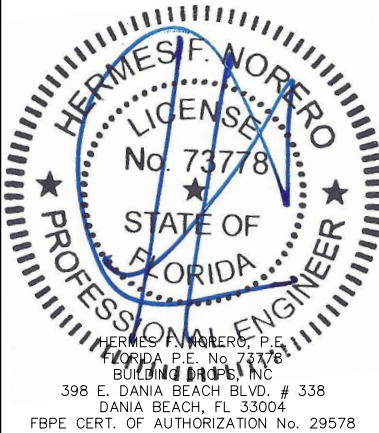
ELEVATIONS & ANCHOR LAYOUTS

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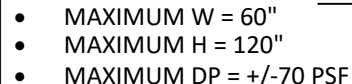
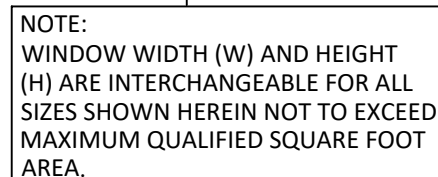
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SHEET:	2

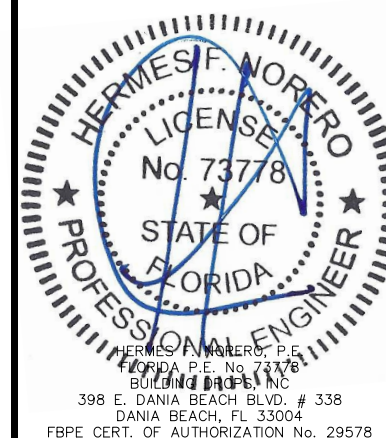


WINDOW JAMB ANCHORS TO BE USED THROUGH TUBE MULLION SHALL BE 1/4" X 4.75" FLAT HEAD WOOD SCREWS.



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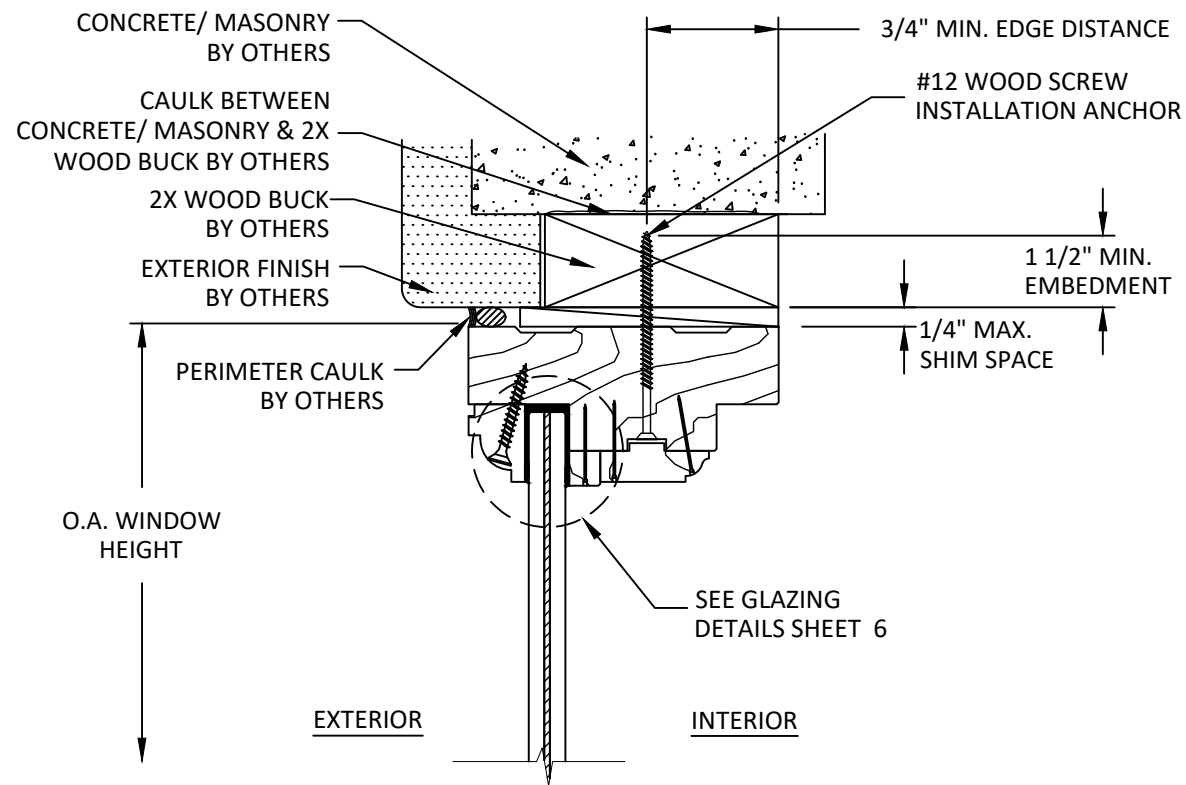
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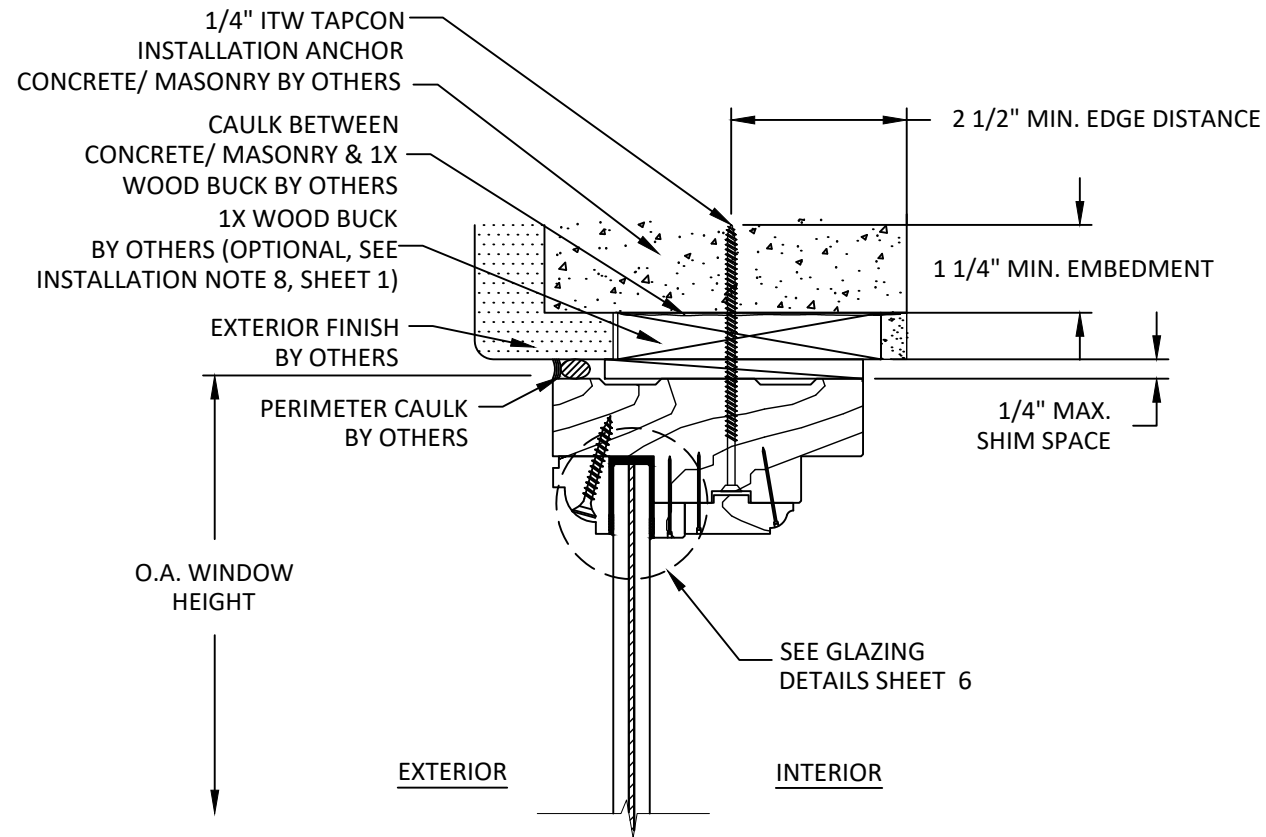
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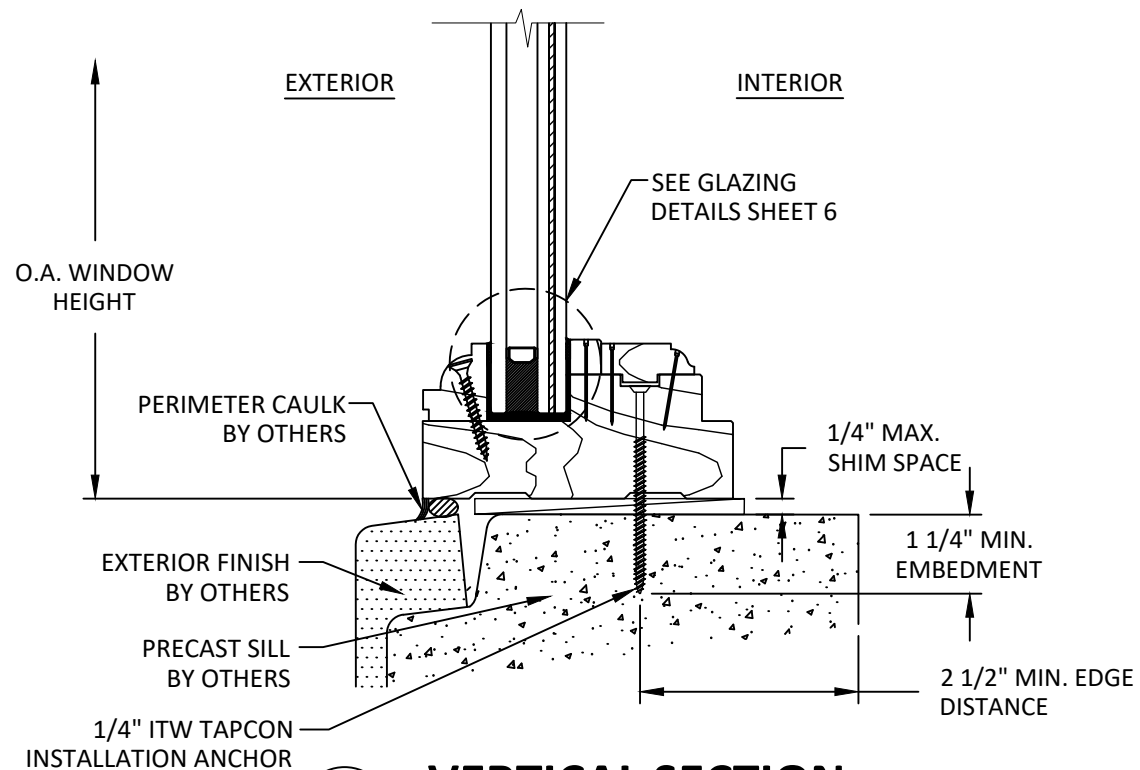
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B
4 VERTICAL SECTION
HEAD - 2X WOOD BUCK



C
4 VERTICAL SECTION
HEAD - CONCRETE/MASONRY



A
4 VERTICAL SECTION
SILL - CONCRETE/MASONRY
PRE-CAST SILL



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VERTICAL SECTIONS

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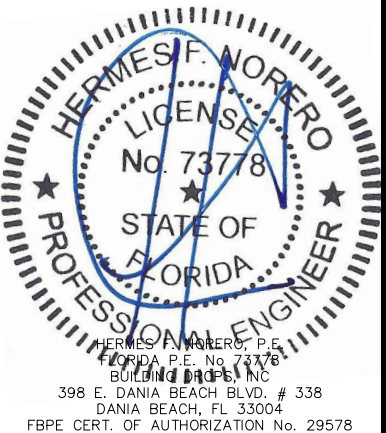
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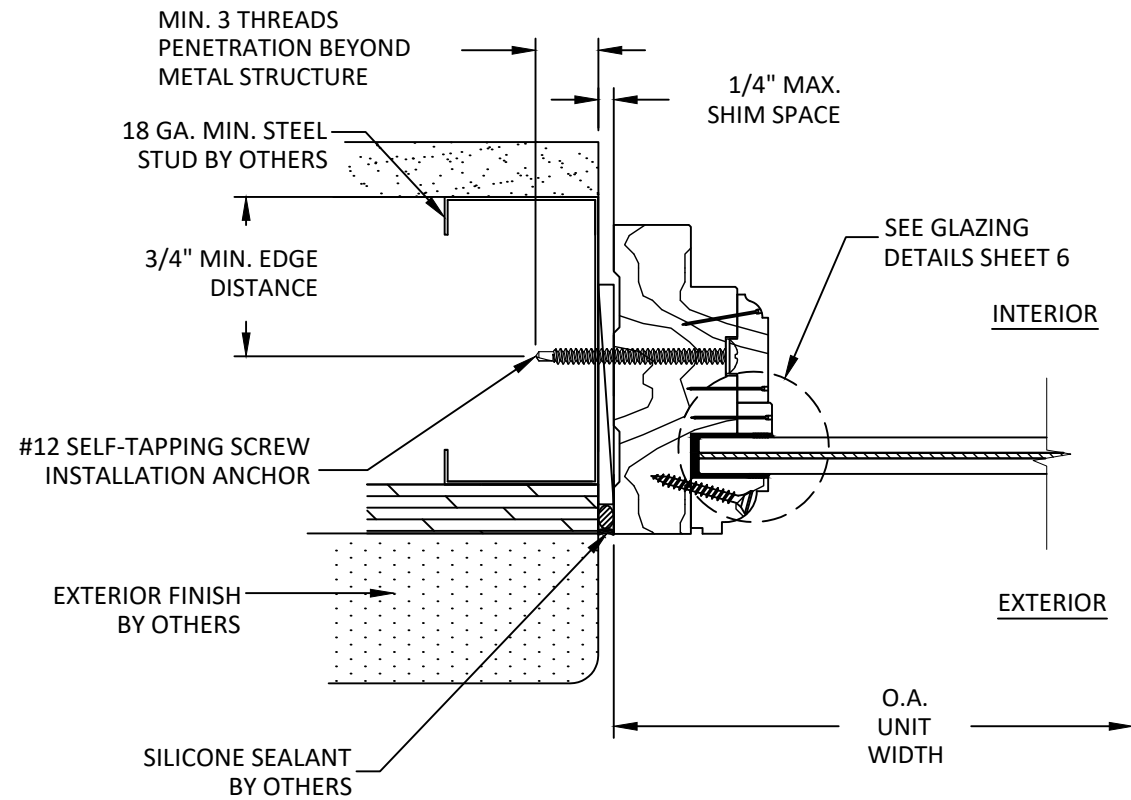
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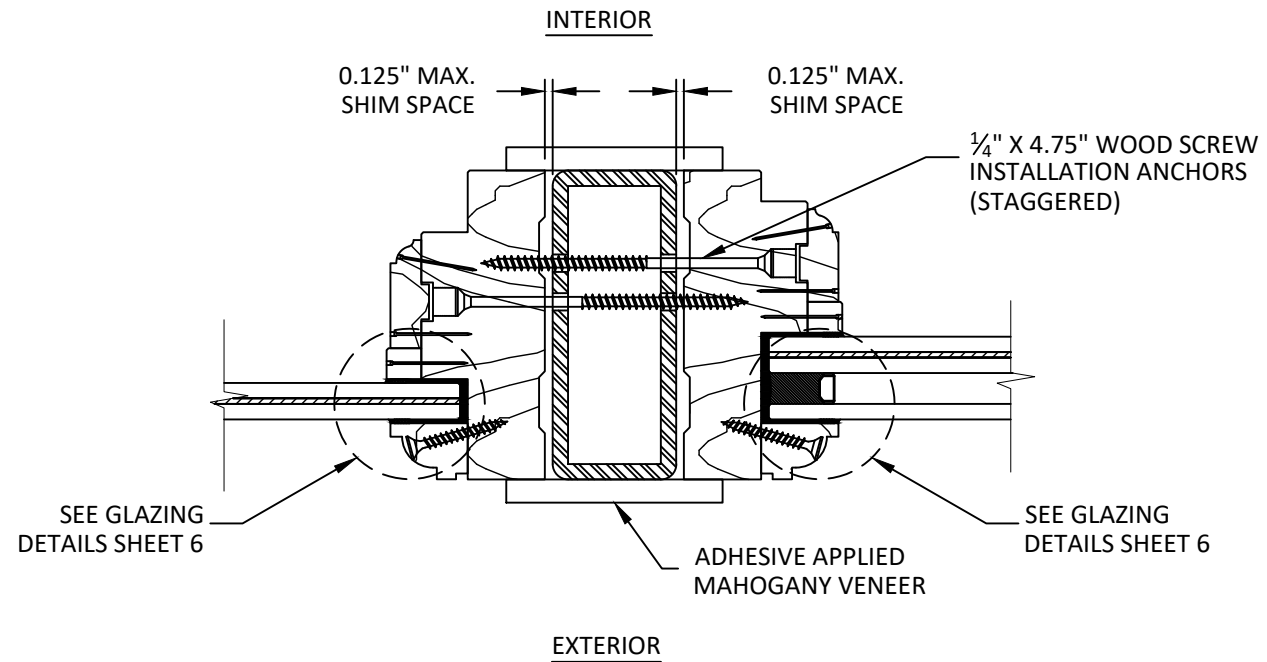
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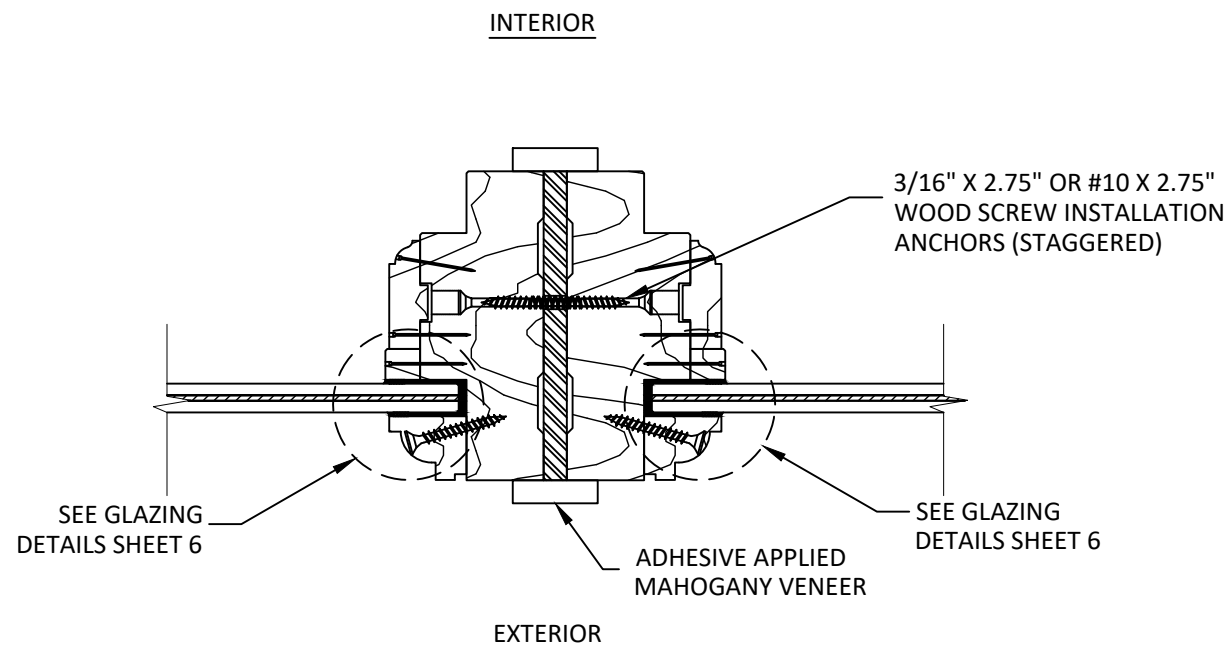
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E
5 **HORIZONTAL SECTION**
JAMB - STEEL STUD



F
5 **HORIZONTAL SECTION**
1/4" X 2" X 5" ALUMINUM TUBE MULLION



D
5 **HORIZONTAL SECTION**
3/8" X 5" ALUMINUM PLATE REINFORCEMENT



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HORIZONTAL SECTIONS

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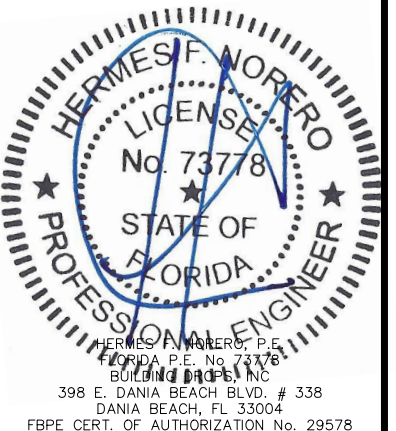
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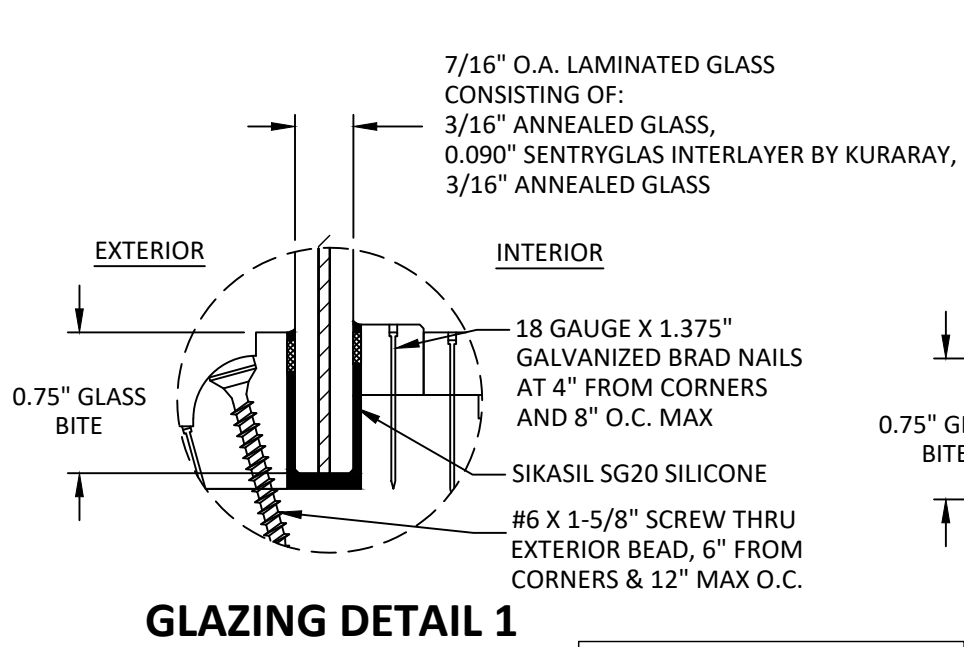
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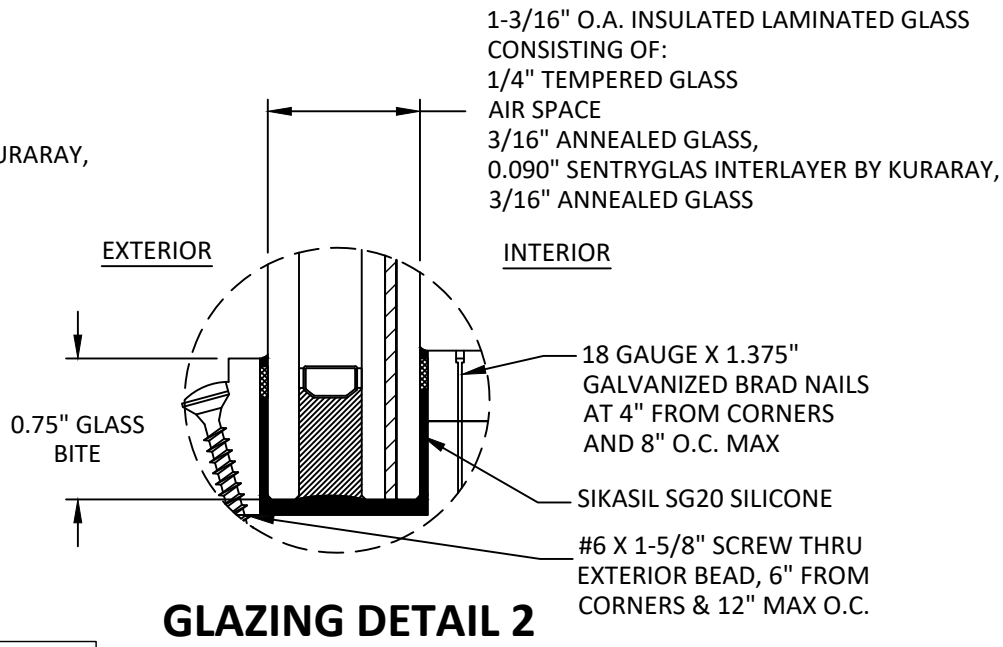
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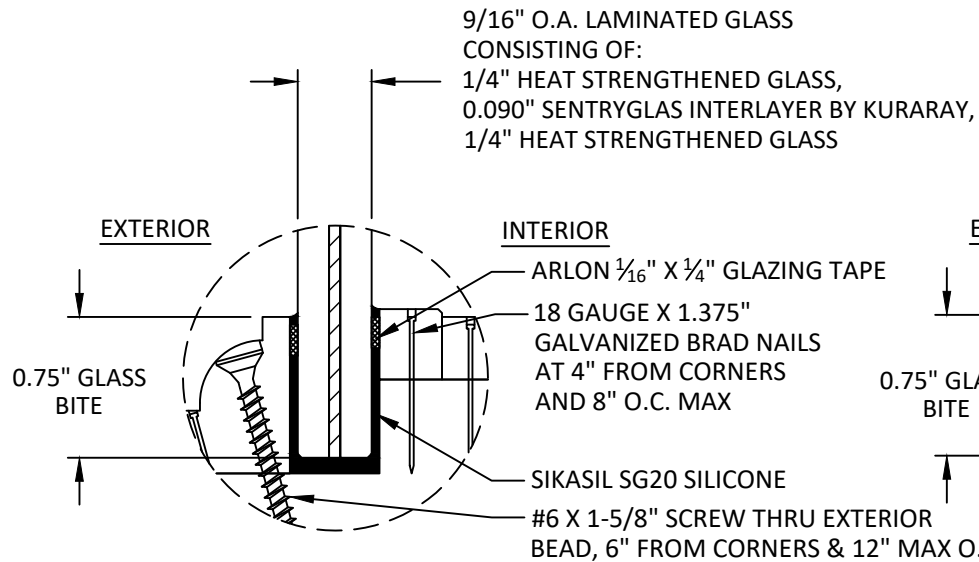


GLAZING DETAIL 1

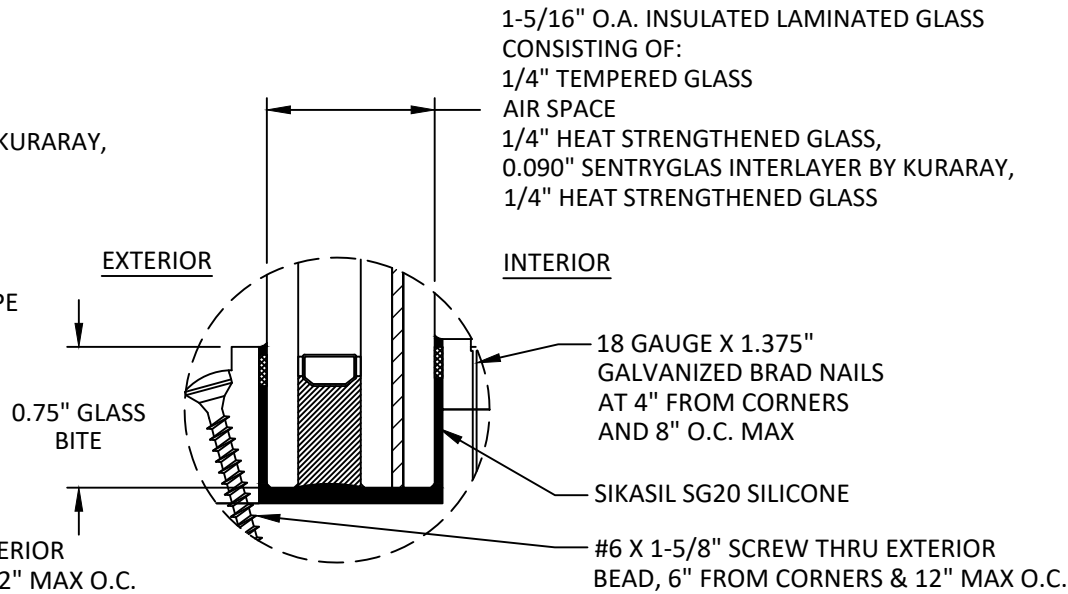
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DUPONT UNDER CURRENT
MIAMI-DADE COUNTY NOA



GLAZING DETAIL 2



GLAZING DETAIL 3

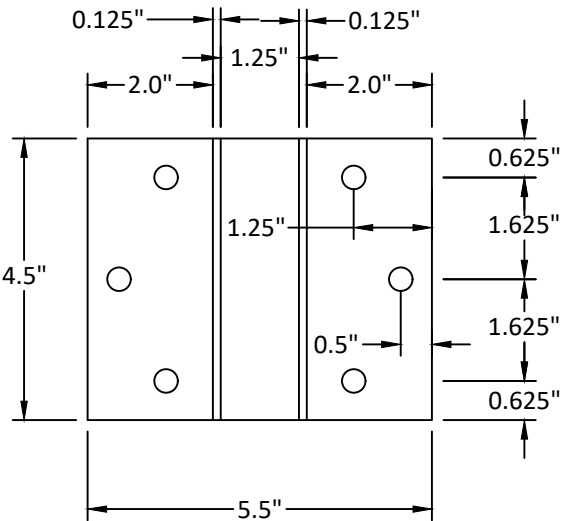
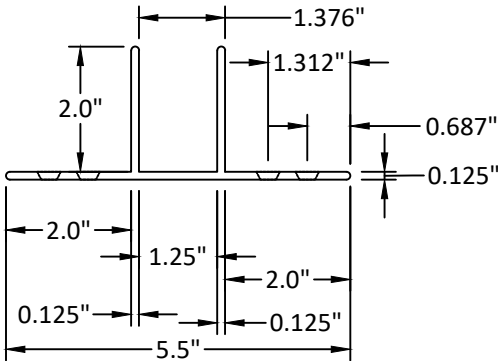
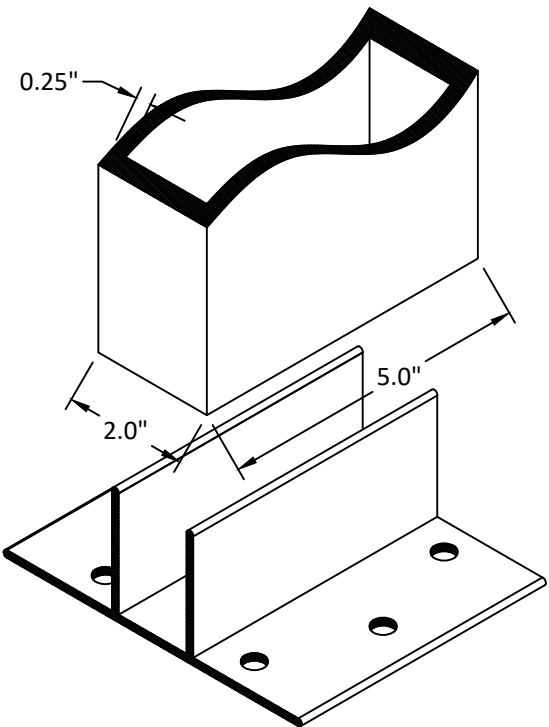


GLAZING DETAIL 4

NOTE:

1. GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND CHAPTER 17 OF THE CURRENT FBC FOR SIZES OTHER THAN TESTED.
2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
3. SETING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24.
4. D.L.O. MAY NOT EXCEED MAX DIMENSIONS IN GLASS CHARTS FOR GLASS TYPE.

SEE INSTALLATION NOTES 8-11,
PAGE 1, FOR MULLION CLIP
ANCHORING REQUIREMENTS.



MULLION CLIP DETAIL

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DOORS

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MAHOGANY DIRECT SET
WINDOW (HVHZ) (IMPACT)

GLAZING DETAILS AND
MULLION CLIP DETAIL

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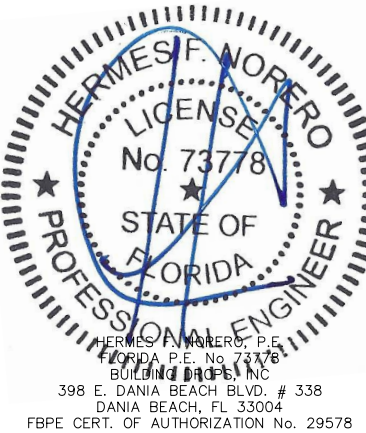
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